

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1-30 (Cancelled)

Claim 31 (Previously Presented) A paramagnetic nano powder comprising gold or silver powder having paramagnetism at an absolute temperature of 20K or higher.

Claim 32 (Previously Presented) The paramagnetic nano powder of claim 31, wherein the size of particles of said gold or silver powder is 40 μm or less.

Claim 33 (Previously Presented) The paramagnetic nano powder of claim 31, wherein said gold or silver powder has paramagnetism at an absolute temperature of 100K or higher.

Claim 34 (Previously Presented) The paramagnetic nano powder of claim 33, wherein said gold or silver powder has paramagnetism at room temperature.

Claim 35 (Previously Presented) The paramagnetic nano powder of claim 32, wherein said silver powder has paramagnetism in an external magnetic field, H, of 2,000 Oe or greater.

Claim 36 (Previously Presented) The paramagnetic nano powder of claim 35, wherein said silver powder has paramagnetism in an external magnetic field, H, of 4,000 Oe or greater.

Claim 37 (Previously Presented) The paramagnetic nano powder of claim 32, wherein said silver powder has a saturated magnetic moment in an external magnetic field, H, in the range of 2,000 to 8,000 Oe.

Claim 38 (Previously Presented) The paramagnetic nano powder of claim 32, wherein said gold or silver powder has super-paramagnetism at an absolute temperature of 100K or lower.

Claim 39 (Previously Presented) The paramagnetic nano powder of claim 38, wherein the size of particles of said silver powder is 3 μm or less.

Claim 40 (Previously Presented) The paramagnetic nano powder of claim 38, wherein the size of particles of said gold powder is 20 nm or less.

Claim 41 (Previously Presented) The paramagnetic nano powder of claim 32, wherein said silver powder has a positive mass magnetization in which the slope of the mass magnetization curve, dM/dH , is positive at an absolute temperature of 100K or lower.

Claim 42 (Previously Presented) The paramagnetic nano powder of claim 41, wherein said silver powder has a positive mass magnetization as the inclination of the mass magnetization curve, dM/dH , is 3×10^{-7} emu/gOe or greater at an absolute temperature of 20K.

Claim 43 (Previously Presented) The paramagnetic nano powder of claim 32, wherein said silver powder has a positive mass magnetization in an external magnetic field, H , of 2,000 Oe or greater.

Claim 44 (Previously Presented) The paramagnetic nano powder of claim 43, wherein said silver powder has a positive mass magnetization in an external magnetic field, H , of 4,000 Oe or greater.

Claim 45 (Previously Presented) The paramagnetic nano powder of claim 32, wherein said gold powder has a positive mass magnetization as the inclination of the mass magnetization curve, dM/dH , is a positive value in an external magnetic field, H , of 1,000 Oe or greater.

Claim 46 (Previously Presented) The paramagnetic nano powder of claim 45, wherein said gold powder has a positive mass magnetization as the inclination of the mass magnetization curve, dM/dH , is 4×10^{-6} or greater in an external magnetic field, H, of 10,000 Oe at an absolute temperature of 20K.

Claim 47 (Previously Presented) The paramagnetic nano powder of claim 32, wherein said gold or silver powder has a coercive force of 5 Gauss or less.

Claim 48 (Previously Presented) The paramagnetic nano powder of claim 47, wherein said gold or silver powder has a coercive force of 2 Gauss or less.

Claim 49 (Previously Presented) A method of manufacturing paramagnetic nano powder, comprising the steps of:

generating of a plasma having an absolute temperature in the range of 4,000 to 200,000K by using an RF power amplifier of 13.56 MHz and 5 to 50 kW and an inductive coupled plasma torch in a vacuum reaction tube;

producing a gold or silver plasma gas by reacting said generated plasma and diamagnetic gold or silver powder; and

producing paramagnetic gold or silver powder by rapidly cooling said gold or silver plasma gas below a room temperature under a vacuum in a nano powder collection equipment installed at the lower end of a plasma reaction furnace.

Claim 50 (Previously Presented) The method of claim 49, wherein a single-type RF applied power is 7 kW or greater, or a double-type RF applied power is 5 kW or greater.

Claim 51 (Previously Presented) The method of claim 49, further comprising the step of controlling the size of paramagnetic gold or silver powder by adjusting the conditions selected from the length of the reaction flame in which plasma is formed, and the time or temperature of rapid cooling of said gold or silver plasma gas.

Claim 52 (Currently Amended) ~~An epilation~~ A hair growth composition containing said silver powder having paramagnetism of claim 32, germanium dioxide, and purified water.

Claim 53 (Currently Amended) The ~~epilation~~ hair growth composition of claim 52, wherein the content of said silver powder is in the range of 0.01 to 10 ppm.

Claim 54 (Currently Amended) The ~~epilation~~ hair growth composition of claim 52, wherein the germanium dioxide is obtained by burning natural lignite in the range of 1,600 to 2,000° C in a combustion furnace.

Claim 55 (Previously Presented) A toothpaste composition containing said silver powder having paramagnetism of claim 32.

Claim 56 (Previously Presented) The toothpaste composition of claim 55, wherein the content of said silver powder is in the range of 0.005 to 0.1 weight %.

Claim 57 (Previously Presented) A cosmetic composition containing said gold or silver powder having paramagnetism of claim 32, or their mixture.

Claim 58 (Previously Presented) The cosmetic composition of claim 57, wherein the content of said gold powder is in the range of 3 to 20 ppm.

Claim 59 (Previously Presented) The cosmetic composition of claim 57, wherein the content of said silver powder is in the range of 5 to 50 ppm.